

ABSTRACT OF THE DISCLOSURE

An air-liquid separating apparatus for compressed air includes a cooling device adapted to be connected to an air source via a first transfer tube. The cooling device includes a liquid cooling tank filled
5 with cooling agent and a cooling tube spiraled in the liquid cooling tank for condensing and separating the mist in the compressed air. An air-liquid separating tank is connected to the liquid cooling tank, wherein the compressed air is cooled and released again in the air-liquid separating tank. The air-liquid separating tank includes a
10 backflow tube connected to the air-liquid separating tank for outputting the compressed air. The backflow tube is provided to carry the heat from the cooling device.